

the present invention should not be limited to any single embodiment, but rather should be construed in breadth and scope in accordance with the appended claims.

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7. The computer system as recited in claim 2 wherein the selected driver is delivered over a network.

8. The computer system as recited in claim 1 wherein the compiler comprises a Just-In-Time compiler.

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9. A method for software interaction with hardware, comprising:

providing an application program in an intermediate programming language:

providing a runtime program in an intermediate programming language;

compiling the application program and the runtime program into a single executable program for  
10 execution on a target computer system.

10. The method as recited in claim 9 further comprising providing a driver program in an  
intermediate programming language wherein the driver program is compiled with the application  
program and the runtime program into the single executable program.

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11. The method as recited in claim 10 wherein the driver program comprises a kernel mode portion  
provided in an executable form.

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12. The method as recited in claim 11 wherein the driver program comprises a user mode portion  
provided in the intermediate language form.

13. The method as recited in claim 12 wherein the user mode portion translates from device driver  
interface instructions to hardware-specific commands.

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14. The method as recited in claim 10 wherein the driver writes hardware-specific commands into  
an operating system-allocated buffer for submission to a scheduler of the hardware's time.

15. The method as recited in claim 9 wherein the application program and the runtime program are  
delivered to the target computer system over a network.

17. The method as recited in claim 9 wherein the compiler comprises a Just-In-Time compiler.

23. The computer-readable medium as recited in claim 22 wherein the driver writes hardware-specific commands into an operating system-allocated buffer for submission to a scheduler of the hardware's time.

24. The computer-readable medium as recited in claim 18 wherein the application program and the runtime program are delivered to the target computer system over a network.

5 25. The computer-readable medium as recited in claim 19 wherein the driver is delivered over a network.

26. The computer-readable medium as recited in claim 18 wherein the compiler comprises a Just-In-Time compiler.

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